

ABSTRACT

HIGH-FREQUENCY INDUCTOR WITH INTEGRATED CONTACT

An integrated contact is disposed on the end of a conical coil form. Fine magnet
5 wire is soldered to the integrated contact and wound around the coil form to fabricate a
high-frequency inductor for use in high-frequency chokes and other high-frequency
devices. In one embodiment, the integrated contact is plated on the tip of a polyiron coil
form and less than one turn of wire is wrapped around the plated portion of the polyiron
coil form. The integrated contact has reduced contact area, reducing capacitive coupling
10 and improving high-frequency electrical performance.